

INTERNATIONAL SEARCH REPORT

PCT/NL2004/000735

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 E04F15/02 E04F13/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 E04F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 590 731 A (DEGOOYER LONNIE C) 27 May 1986 (1986-05-27) column 2, line 18 - column 4, line 23; figures 1-3	1-3, 11-15
Y	-----	4,7,8
X	US 5 323 575 A (YEH TZUNG-JZNG) 28 June 1994 (1994-06-28) column 2, line 10 - line 67; figures 1,2	1,2, 11-15
X	FR 2 063 391 A (LEGLE STE LEGRAND LBOUC) 9 July 1971 (1971-07-09) page 1, line 37 - page 4, line 27; figures 1-3	1,4,7, 10,14,15
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *S* document member of the same patent family

Date of the actual completion of the international search

24 January 2005

Date of mailing of the international search report

16/02/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	EP 0 544 604 A (FUKUJI CHEM IND CO) 2 June 1993 (1993-06-02) column 5, line 14 - column 12, line 19; figures 1-5,7,8 -----	4,7,8 1-3, 11-15

INTERNATIONAL SEARCH REPORT

Information on patent family members

PCT/NL2004/000735

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4590731	A	27-05-1986	NONE	
US 5323575	A	28-06-1994	NONE	
FR 2063391	A	09-07-1971	FR 2063391 A5	09-07-1971
EP 0544604	A	02-06-1993	JP 2510547 Y2	11-09-1996
			JP 5047187 U	22-06-1993
			JP 2572505 B2	16-01-1997
			JP 5346056 A	27-12-1993
			DE 69209451 D1	02-05-1996
			DE 69209451 T2	05-09-1996
			EP 0544604 A1	02-06-1993
			US 5418036 A	23-05-1995
			KR 214889 B1	02-08-1999